

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Tay et al.

**Serial No.:** Not yet assigned

**Filed:** July 29, 2003

**For:** METHOD FOR BALL GRID ARRAY  
CHIP PACKAGES HAVING IMPROVED  
TESTING AND STACKING  
CHARACTERISTICS

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 4249.9US  
(99-0543.09/US)

NOTICE OF EXPRESS MAILING

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Person making Deposit: Matthew Wooton

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The present application is a continuation of application Serial No. 10/008,843, filed November 13, 2001, pending, which is a divisional of application Serial No. 09/571,190, filed May 16, 2000, now U.S. Patent 6,522,018, issued February 8, 2003.

Pursuant to M.P.E.P. 2001.06(b), the Examiner is respectfully requested to consider the information of record in the prior applications, and to confirm in the first Office Action on the merits that such art has in fact been reviewed. A PTO-1449 form listing all of the information of record in the prior applications is enclosed herewith.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. 1.17(p) is required.

Respectfully submitted,



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Date: July 29, 2003

JRD/sls:djp

Enclosure: Form PTO-1449

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>4249.9US (99-0543.09/US)</b>	Application Number <b>Not yet assigned</b>
	Applicant <b>Tay et al.</b>	
	Filing Date <b>July 29, 2003</b>	Group Art Unit <b>Unknown</b>

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,992,849	02/1991	Corbett et al.			
	5,151,651	09/1992	Shibata			
	5,227,717	07/1993	Tsurishima et al.			
	5,239,198	08/1993	Lin et al.			
	5,258,648	11/1993	Lin			
	5,334,857	08/1994	Mennitt et al.			
	5,378,981	01/1995	Higgins, III			
	5,483,024	01/1996	Russell et al.			
	5,506,499	04/1996	Puar			
	5,625,221	04/1997	Kim et al.			
	5,668,405	09/1997	Yamashita			

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Austrian Patent Office Search Report, dated March 28, 2002 (5 pages).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance. Include copy of this form with next communication to the applicant.

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number (Optional) <b>4249.9US (99-0543.09/US)</b>	Application Number <b>Not yet assigned</b>
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### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,677,566	10/1997	King et al.			
	5,721,496	02/1998	Farnworth et al.			
	5,731,709	03/1998	Pastore et al.			
	5,786,271	07/1998	Ohida et al.			
	5,789,271	08/1998	Akram			
	5,789,278	08/1998	Akram et al.			
	5,815,000	09/1998	Farnworth et al.			
	5,815,372	09/1998	Gallas			
	5,831,444	11/1998	Pai			
	5,844,315	12/1998	Melton et al.			
	5,859,538	01/1999	Self			

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

### OTHER DOCUMENTS

*(Including Author, Title, Date, Pertinent Pages, Etc.)*


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Form PTO-1449

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Docket Number (Optional)  
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**Not yet assigned**

Applicant **Tay t al.**

Filing Date **July 29, 2003**

Group Art Unit **Unknown**

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,872,458	02/1999	Boardman et al.			
	5,883,426	03/1999	Tokuno et al.			
	5,973,403	10/1999	Wark			
	5,977,784	11/1999	Pai			
	5,994,166	11/1999	Akram et al.			
	6,018,249	01/2000	Akram et al.			
	6,025,725	02/2000	Hembree et al.			
	6,034,426	03/2000	Patel et al.			
	6,049,129	04/2000	Yew et al.			
	6,127,833	10/2000	Wu et al.			
	6,249,052	06/2001	Lin			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)


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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>			Applicant <b>Tay t al.</b>			
<i>(Use several sheets if necessary)</i>			Filing Date <b>July 29, 2003</b>		Group Art Unit <b>Unknown</b>	

  

<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,275,052	08/2001	Hembree et al.			
	6,329,637	12/2001	Hembree et al.			
	6,335,565	01/2002	Miyamoto et al.			
	6,420,789	07/2002	Tay et al.			
	6,448,664	09/2002	Tay et al.			
	6,522,018	02/2003	Tay et al.			
	6,522,019	02/2003	Tay et al.			
	6,600,335	07/2003	Tay et al.			

  

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